

## EAST Search History

S14 3	212570	(actuator ( ( comb adj3 drive ) ( comb near3 drive ) ( comb-drive ) ) )	USPAT	OR	ON	2006/06/07 17:05
S14 4	1501	S142 and S143	USPAT	OR	ON	2006/06/07 17:05
S14 5	4	S113 and S144	USPAT	OR	ON	2006/06/07 17:05
S14 6	4	S115 and S144	USPAT	OR	ON	2006/06/07 17:05
S14 7	14	S112 and S144	USPAT	OR	ON	2006/06/07 17:05
S14 8	259	S144 and "250"/\$.ccls.	USPAT	OR	ON	2006/06/07 17:05
S14 9	43	S114 and S144	USPAT	OR	ON	2006/06/07 17:05
S15 0	3	("6486912").PN. OR ("6608296").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S15 1	13	("3833762"   "4580894"   "4748514"   "4922337"   "4949191"   "4952809"   "5453781"   "5539532"   "5781451"   "6297491"   "6459077"   "6608296"   "RE36047").PN. OR ("6683293").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S15 2	8770	(actuator same (lens lenses))	USPAT	OR	ON	2006/06/07 17:09
S15 3	242	(friend same foe) same ( determin\$4 detect\$4 indicat\$4)	USPAT	OR	ON	2006/06/07 17:47
S15 4	0	(comb adj drive) and (( friend foe ) same (detect\$4 determin\$4 indicat\$4 )) and array	USPAT	OR	ON	2006/06/07 17:47
S15 5	1	(comb adj drive) and (( friend foe ) same (detect\$4 determin\$4 indicat\$4 )) and array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:47
S15 6	225	(friend same foe) same ( determin\$4 detect\$4 indicat\$4)	US-PGPUB; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:47
S15 7	1537	250/214.1.ccls.	USPAT	OR	ON	2006/06/08 18:14
S15 8	1221	250/216.ccls.	USPAT	OR	ON	2006/06/08 18:14

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S77	8774	(250/216,214vt,214r,239).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S78	1718	(359/244,245).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S79	2	processor and ( comb adj3 drive) and ( semiconductor adj3 laser )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S80	1817	(comb adj3 drive)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S81	292	(comb adj3 drive) and detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S82	66	(comb adj3 drive) and detector and processor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S83	119	microlen\$4 and (comb adj3 drive\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S84	122	microlen\$4 and ((comb adj3 driv\$4) (combdriv\$4) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S85	54	( "10,000" ("10000")) adj3 ( ( microlen) (micro-len) (micro adj2 len) processor )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S86	469	( "10,000" ("10000")) adj3 ( (detector sensor photodiode diode laser semiconductor) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S87	1	S86 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S88	1	S86 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05

## EAST Search History

S89	92	ladar and laser and (detect\$4 sens\$5 determin\$5 indicat\$5 find\$4 trac\$5) and microlen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S90	552	(photodiode same ( semiconductor adj3 laser)) and target	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S91	0	S90 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S92	6	S90 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S93	64	("3668404"   "3763372"   "4689652"   "4733067"   "4733943"   "4737447"   "4808812"   "4842633"   "4880974"   "4933729"   "4972089").PN. OR ("5130531").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S94	18	("4315689"   "5198657"   "5243553"   "5357331"   "5446529"   "5528354"   "5638164"   "6137566").PN. OR ("6392747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S95	23	("4805543"   "4818263"   "4932989"   "5717631"   "5839807"   "5970315"   "6054335"   "6091197"   "6091537"   "6094293"   "6097859"   "6116756"   "6124663"   "6295171").PN. OR ("6445514").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S96	10516	( plural\$5 array ) adj3 ( (micro adj3len) ("microlens") ( micro-lens))	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S97	55	S96 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S98	23	S96 and S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S99	23	("4805543"   "4818263"   "4932989"   "5717631"   "5839807"   "5970315"   "6054335"   "6091197"   "6091537"   "6094293"   "6097859"   "6116756"   "6124663"   "6295171").PN. OR ("6445514").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S10 0	2	("4805543").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S10 1	12	(comb adj2 drive ) and ( detector ) and ( microlen (micro-len) ( micro adj2 len ) ) and processor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S10 2	33	(comb adj2 drive ) and ( detector ) and ( microlen (micro-len) ( micro adj2 len ) )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05

## EAST Search History

S10 3	6	((("6445514") or ("6415068") or ("20020071160"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S10 4	8774	(250/216,214vt,214r,239).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S10 5	1148	photodiode and S104	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S10 6	5	S105 and microlen and processor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S10 7	31	S105 and microlen	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S10 8	4	((("6445514") or ("6415068"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S10 9	2	("20020071160").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/06/07 17:05
S11 0	23	("4805543"   "4818263"   "4932989"   "5717631"   "5839807"   "5970315"   "6054335"   "6091197"   "6091537"   "6094293"   "6097859"   "6116756"   "6124663"   "6295171").PN. OR ("6445514").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/07 17:05
S11 1	3519	focal near3 plan\$4 near5 array	USPAT	OR	ON	2006/06/07 17:05
S11 2	1221	250/216.ccls.	USPAT	OR	ON	2006/06/07 17:05
S11 3	1537	250/214.1.ccls.	USPAT	OR	ON	2006/06/07 17:05
S11 4	9236	250/216,214.1,214vt,214R,239,236,208.1.ccls.	USPAT	OR	ON	2006/06/07 17:05
S11 5	1004	359/244,245.ccls.	USPAT	OR	ON	2006/06/07 17:05
S11 6	49	S111 and S112	USPAT	OR	ON	2006/06/07 17:05
S11 7	17	S111 and S113	USPAT	OR	ON	2006/06/07 17:05
S11 8	236	S111 and S114	USPAT	OR	ON	2006/06/07 17:05
S11 9	6	S111 and S115	USPAT	OR	ON	2006/06/07 17:05
S12 0	56	(opto\$8) same actuator same (lens lenses)	USPAT	OR	ON	2006/06/07 17:05

## EAST Search History

S12 1	14	(opto\$8) same actuator same processor	USPAT	OR	ON	2006/06/07 17:05
S12 2	632	comb adj drive	USPAT	OR	ON	2006/06/07 17:05
S12 3	632	comb adj drive	USPAT	OR	ON	2006/06/07 17:05
S12 4	2073	processor and (lenses lens ) and actuator and (detector sensor ) and array	USPAT	OR	ON	2006/06/07 17:05
S12 5	19	S122 and S124	USPAT	OR	ON	2006/06/07 17:05
S12 6	97	S111 and S124	USPAT	OR	ON	2006/06/07 17:05
S12 7	0	S112 and S126	USPAT	OR	ON	2006/06/07 17:05
S12 8	0	S113 and S126	USPAT	OR	ON	2006/06/07 17:05
S12 9	0	S115 and S126	USPAT	OR	ON	2006/06/07 17:05
S13 0	6	S114 and S126	USPAT	OR	ON	2006/06/07 17:05
S13 1	3989	processor and (lenses lens ) and actuator and (detector sensor ) and array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S13 2	6097	focal near3 plan\$4 near5 array	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S13 3	189	S131 and S132	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S13 4	92	S133 not S126	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/06/07 17:05
S13 5	3879	((plurality array) same ( lenses lens)) and ((plurality array) same (opto detector sensor emitter laser )) and (actuator ( comb adj4 drive ))	USPAT	OR	ON	2006/06/07 17:05
S13 6	26	S112 and S135	USPAT	OR	ON	2006/06/07 17:05
S13 7	6	S113 and S135	USPAT	OR	ON	2006/06/07 17:05
S13 8	97	S114 and S135	USPAT	OR	ON	2006/06/07 17:05
S13 9	15	S115 and S135	USPAT	OR	ON	2006/06/07 17:05
S14 0	22660	(array plural\$5 ) same ((position\$4 adjust\$4 actuat\$5 moving ) near6 ( lens lenses transparent translucent glass ))	USPAT	OR	ON	2006/06/07 17:05
S14 1	220725	(detect\$ measur\$5 sensing calculat\$4 ) near5 ( laser light radiation )	USPAT	OR	ON	2006/06/07 17:05
S14 2	8335	S140 and S141	USPAT	OR	ON	2006/06/07 17:05